Output ON or OFF at outgoing alarm

Activate output when sending alarm to other **AWU** units.

1. Open menu **Sys.prog.**
2. Go to **Rly int alarm OFF (**or **ON)**
3. Press key **RIGHT** to change function. Display is showing **Rly int alarm ON**. **ON/OFF** is alternating when key **RIGHT** is pressed.
4. Press key **LEFT** to leave

Automatic reset time at incoming alarm

Select reset time when receiving alarm from external **AWU**. At reset the display stops flashing and the relay is released. Other **AWU** units are not affected by the reset.

1. Open menu **Sys.prog.**
2. Go to **Time e alarm 5m**
3. Press key **RIGHT** to increase reset time. After **30m** the value starts again with **5s**.
4. Press key **LEFT** to leave

Automatic reset time at outgoing alarm

Select reset time when sending alarm to other **AWU** units. At reset the display stops flashing and the relay is released. Other **AWU** units are not affected by the reset.

1. Open menu **Sys.prog.**
2. Go to **Time i alarm 5m**
3. Press key **RIGHT** to increase reset time. After **30m** the value starts again with **5s**.
4. Press key **LEFT** to leave

Firmware version

The firmware version can be read in the menu **Sys.prog.**

1. Open menu **Sys.prog.**
2. Go to **Firmware: X.X.X**
3. Press key **LEFT** to leave

Input signal MAKE or BREAK

Selects the input to be normally open or normally closed.

Note! The signal connected to the alarm input must have a zero volt potential.

1. Open menu **Sys.prog.**
2. Go to **Alarm input MAKE** (MAKE = normally open)
3. Press key **RIGHT** to change function. The display is showing **Alarm input BRAKE** (BRAKE = normally closed). **MAKE/BRAKE** is alternating when key **RIGHT** is pressed.
4. Press key **LEFT** to leave

Extended range repeater mode ON or OFF

Select whether the unit will extend the range (distance) when repeating ID to other units. Default value is **OFF**. Use with caution.

1. Open menu **Sys.prog.**
2. Go to **Extend range OFF**
3. Press key **RIGHT** to change function. Display is showing **Extend range ON**. **ON/OFF** is alternating when key **RIGHT** is pressed.
4. Press key **LEFT** to leave

Distributor:

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Anyway AWU 1020
Anyway Wireless Unit

Firmware 2.11.0

User Manual

Please read this User Manual before using AWU!

Important: Anyway Wireless Unit **AWU** uses radio signals to communicate and is designed to reduce influence of interference. At unfavorable conditions the signal may yet be blocked.

Getting started

It's easy to get started with **AWU**:

1. Take the lid off (pull it straight up).
2. Connect a 9-12V power supply to the power terminal or connect 12 V DC to the screw terminal according to the picture below.

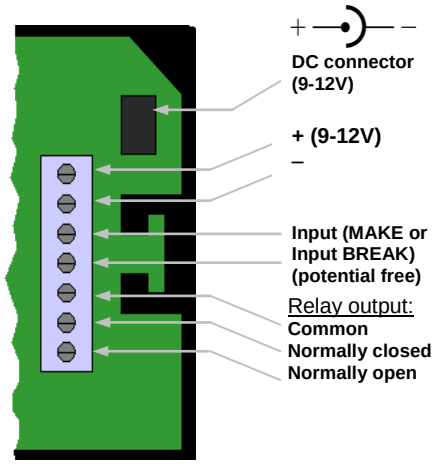
The **AWU** will find other units within a couple of minutes.

At delivery, the **AWU** has an identity consisting of four characters – two letters and two digits. It's convenient to change the identity to something in plain language. See instruction below.

Connections and keys

At the front of the **AWU** there is a display, four keys for setup purposes and one key to activate the alarm. Connections for power and signal I/O are located under the lid. The lid must be removed to reach the connections.

Power may be connected to the 2.1mm DC connector or to the screw terminal according to the picture below. Cables may be secured with a cable strap around the "T"-shape on the circuit board.



Alarm Input

The **AWU** can be activated by external equipment, such as the central unit of a burglar alarm or a button or a magnetic door switch. The signal can be either MAKE or BREAK. MAKE is the default setup. This can be changed in **Sys.prog.**

Note! The signal connected to the alarm input must be potential free, i e no external voltage source.

Alarm Output

The **AWU** has a built-in relay that can be used to activate external equipment when the **AWU** receives and/or sends an alarm. This can be changed in **Sys.prog.** The output can be connected as normally open or normally closed according to the picture.

Keys

LEFT – Used to move the cursor left when entering text and also used to undo.

UP – Used to step up in the menu and step up character value when entering text.

RIGHT - Used to move the cursor right when entering text and also used to commit.

DOWN - Used to step down in the menu and step down character value when entering text.

ALARM KEY – Used to activate an alarm. Same function as the alarm input.

Usage

The **AWU** unit is used to receive, send and retransmit alarm signals and identities throughout the network.

Incoming alarm

When an incoming alarm from another **AWU** is received, the buzzer sounds and the display shows the name of the other **AWU**.

1. Press any key to silent the buzzer
2. Scroll incoming alarm´s **AWU** name with keys **DOWN** and **UP**
3. Press key **LEFT** to reset display

If no key is pressed, the **AWU** will reset automatically after the preset time – see **System programming**.

Outgoing alarm

To send an alarm you can either press the **ALARM KEY** or activate the alarm input on the screw terminal. The input can be normally closed or normally open – see **System programming**.

1. When activated, the display is showing **INTERNAL ALARM**
2. Press key **LEFT** to reset

If no key is pressed, the **AWU** will reset automatically after the preset time – see **System programming**.

General setup

The **AWU** unit can be implemented for many applications without any need for setup. However, the following parameters can be changed in the setup menu:

- Name
- Group
- Sound buzzer
- In- and output
- Time for automatic reset
- Extended range repeater mode

The menu:

1. Open the main menu by pressing keys **LEFT** and **RIGHT** simultaneously
2. Scroll the menu with keys **DOWN** and **UP**
3. Open a menu line with key **RIGHT**
4. Press key **LEFT** to leave

Change name

Each **AWU** unit has a unique, factory set identity. This identity may be changed to anything consisting of not more than 16 alphanumeric characters.

1. Open menu **Change name**. The current name is shown in the display and the cursor is at first character.
2. Use keys **DOWN** and **UP** to change the character
3. Use keys **RIGHT** and **LEFT** to move the cursor between character positions
4. When the name is changed, move the cursor past the rightmost position with key **RIGHT**. The display is showing **Name stored!**
5. Press key **LEFT** to leave

Change group - CHANGE GROUP OF ALL CONNECTED AWU 1020/1310

Each unit belongs to a group. The unit can only communicate with other units belonging to the same group. The group identity consists of 3 characters and can be changed. The default group identity is **AA0**. There are more than 6000 possible group identities.

1. Open menu **Change group**. The current group is shown in the display and the cursor is at first character.
2. Use keys **DOWN** and **UP** to change the character
3. Use keys **RIGHT** and **LEFT** to move the cursor between character positions
4. When the group is changed, move the cursor past the rightmost position with key **RIGHT**. The display is showing **New group stored!!**
5. Press key **LEFT** to leave

NOTE: STUDY THE USER MANUAL FOR PROGRAMMING REMOTE UNIT AWU 1310

Connection test

1. Open menu **Alarm testing**.
2. Press key **RIGHT** to activate the connection test. The display is showing **Test alarm sent**.
3. The display will show **Test alarm OK** if the unit is able to recognize any other unit.
4. Press key **LEFT** to leave

The other units will show **-=TEST ALARM=-**. The buzzer is silent.

System programming (Sys.prog.)

In the System programming menu, the following functions may be altered:

- Sound ON/OFF at incoming alarm
- Sound ON/OFF at outgoing alarm
- Relay Output ON/OFF at incoming alarm
- Relay Output ON/OFF at outgoing alarm
- Time for automatic reset at incoming alarm
- Time for automatic reset at outgoing alarm
- Firmware version
- Input MAKE/BREAK
- Extended range repeater mode ON/OFF
- Programming Remote unit (see Manual **AWU** 1310)

Sound ON or OFF at incoming alarm

Activate the built in buzzer when receiving alarm from external **AWU**.

Open menu **Sys.prog.** The display is showing **Snd ext alarm ON** (or **OFF**)

1. Press key **RIGHT** to change function. The display is showing **Snd ext alarm OFF**. **ON/OFF** is alternating when key **RIGHT** is pressed.
2. Press key **LEFT** to leave

Sound ON or OFF at outgoing alarm

Activate the built in buzzer when sending alarm to other **AWU** units.

1. Open menu **Sys.prog.**
2. Go to **Snd int alarm OFF** (or **ON**)
3. Press key **RIGHT** to change function. The display is showing **Snd int alarm ON**. **ON/OFF** is alternating when key **RIGHT** is pressed.
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Output ON or OFF at incoming alarm

Activate output when receiving alarm from external **AWU**.

1. Open menu **Sys.prog.**
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3. Press key **RIGHT** to change function. Display is showing **Rly ext alarm ON**. **ON/OFF** is alternating when key **RIGHT** is pressed.
4. Press key **LEFT** to leave